UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

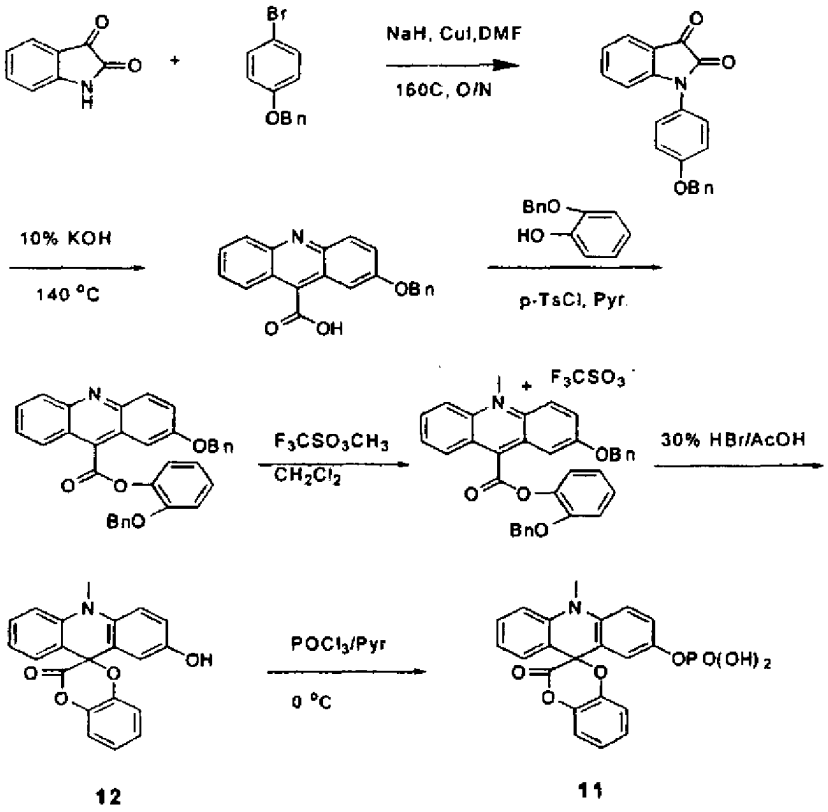
PATENT NO. : 6,783,948 B1
APPLICATION NO. : 09/626566
DATED : August 31, 2004
INVENTOR(S) : Qingping Jiang et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 45, line 61, insert the following prior to N-(4′-Benzyloxy)phenylisatin:

--Example 10

Synthesis of 2-OH-Spiroacridan (12) and 2-Phos-Spiroacridan (11)



12 11

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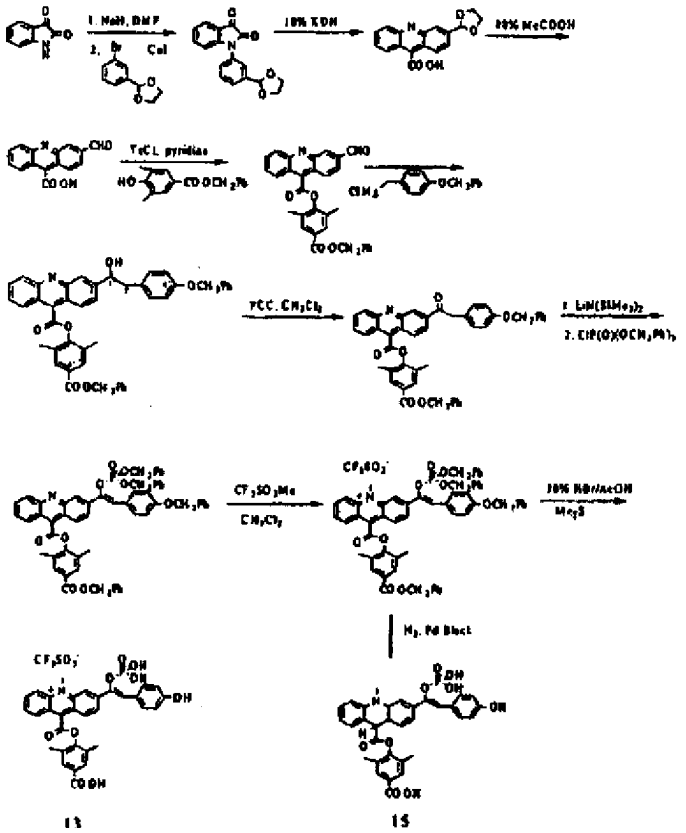
This certificate supersedes the Certificate of Correction issued July 3, 2012.

Signed and Sealed this
Eleventh Day of December, 2012

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office

Columns 47-50, after the paragraph following Example 11, delete formulas 13 and 15 and insert the following formulas 13 and 15:



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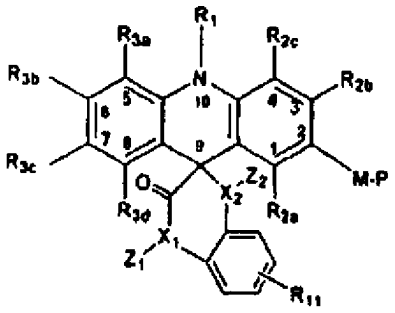
Column 67-68, claim 18, delete "claim 18" and insert the following claim 18:

--18. A chemiluminescent substrate of a hydrolytic enzyme, said substrate having the structure



wherein

P is selected from the group consisting of PO_3H_2, PO_3K_2, $PO_3(NH_4)_2$, PO_3Ca, PO_3Mg, PO_3Na_2, a sugar moiety and C(=O)R group wherein R is an alkyl group having 1 to 6 carbon atoms;

M is oxygen;

R_1 is selected from the group consisting of methyl, sulfopropyl, sulfobutyl, sulfoalkyl, and

carboxymethyl;

R_{2a}, R_{2b}, R_{2c}, R_{3a}, R_{3b}, R_{3c}, and R_{3d}, can be the same or different, selected from a group consisting of hydrogen, methyl, methoxy, halides, cyano (–CN);

A^- is a counter ion for the electroneutrality of the quaternary nitrogen of the acridinium compounds, said A^- not being present if said R_1 substituent contains a strongly ionizable group that can form an anion and pair with the quaternary ammonium cationic moiety; and

X_1 and X_2 are the same or different and are selected from the group consisting of O, N or S, such that,

when X_1 and X_2 are O or S, R_{11} is selected from the group consisting of hydrogen, -R, substituted or unsubstituted aryl, halides, nitro, sulfonate, sulfate, phosphonate, $–CO_2H$, –C(O)OR, cyano (–CN), –SCN, –OR, –SR, –SSR, –C(O)R, –C(O)NHR, ethylene glycol, or polyethyelene glycol, where R is as defined above; and

Z_1 and Z_2 are omitted; and

when at least one of X_1 and X_2 is N, Z_1 and Z_2 are toluenesulfonyl, and R_{11} is carboxypropyl.--